AMERICAN JOURNAL

OF

DISEASES OF CHILDREN

EDITORIAL BOARD

CLIFFORD G. GRULEE, Chicago

OSCAR M. SCHLOSS, New York
FRITZ B. TALBOT, Boston
H. F. HELMHOLZ, Rochester, Minn.
W. McKIM MARRIOTT, St. Louis
L. R. DeBUYS, New Orleans
JOHN C. GITTINGS, Harwood, Md.

VOLUME 43
1932

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO, ILL.

610.5
A5
J86
D6

CONTENTS OF VOLUME 43

JANUARY, 1932. NUMBER 1

PAGE

Guanidine as a Factor in Alimentary Intoxication in Infants. Katharine Dodd, M.D.; A. S. Minot, Ph.D., and Horton Casparis, M.D., Nashville, Tenn. 1
The Composition of Growth: II. The Full-Term Infant. William W. Swanson, M.D., Chicago 10
Creatine and Creatinine Metabolism in Progressive Muscular Dystrophy: Report of Two Cases and Controls. M. Catherine Magee, M.S., Ann Arbor, Mich. 19
The Tryptophan Test in Tuberculous Meningitis. Henry H. Lichtenberg, M.D., Chicago 32
Human Milk Studies: VIII. A Comparison of the Composition of the Milk from the Two Breasts. Minerva Brown, A.B., Icie G. Macy, Ph.D., Betty Nims, A.B., and Helen A. Hunscher, A.B., Detroit 40
Avitaminosis and Blood Clotting Function. I. Newton Kugelmass, M.D., and Emma Louise Samuel, B.S., New York 52
The Substances Involved in the Coagulation of the Blood of the New-Born. Heyworth N. Sanford, M.D.; T. H. Gasteyer, M.D., and Lois Wyatt, S.B., Chicago 58
Effect of Curd Tension on the Digestibility of Milk. D. L. Espe, Ph.D., and J. A. Dye, Ph.D., Ithaca, N. Y. 62
Bacillus Mucosus Infection of the New-Born. Mark Jampolis, M.D.; Katharine M. Howell, M.D.; Joseph K. Calvin, M.D., and M. L. Leventhal, M.D., Chicago 70
A New Method of Recording Children's Footprints. Helen King, Detroit 89
Paroxysmal Tachycardia in Children: Report of Four Cases and One Post-mortem Examination. Charles Shookhoff, M.D.; Abraham M. Litvak, M.D., and Irving Matusoff, M.D., Brooklyn 93
Case Reports:
A Rare Osseous Dystrophy (Morquio). Herman F. Meyer, M.D., and Joseph Brennemann, M.D., Chicago 123
Hereditary Ectrodactylism in Siblings. Irwin J. Klein, M.D., Brooklyn 136
Chronic Parietal Endocarditis and Acute Ulcerative Thrombo-Endocarditis with Streptococcus Viridans in a Nine Months Old Infant. Arthur Eitel Boysen, M.D., Brownwood, Texas 143
Cerebellar Abscess: Diagnostic Discussion; Surgical Intervention with Complete Recovery. Sydney Nussbaum, M.D., and George Webb, M.D., Brooklyn 147
Progress in Pediatrics:
The Countesse of Lincolnes Nurserie, with a Foreword by Thomas Lodge; Oxford, 1622. Ernest Caulfield, M.D., Hartford, Conn. 151
The "Conditioned Reflex" in Relation to Functional Disorders in Children. Max Seham, M.D., Minneapolis 163
Pediatric Biographies:
Heinrich von Louffenburg. John Ruhräh, M.D., Baltimore 187
Pediatrics in Art:
Poliomyelitis. John Ruhräh, M.D., Baltimore 195
News and Comment 196
Abstracts from Current Literature 197
Society Transactions:
St. Louis Pediatric Society 263
Book Reviews 265
Directory of Pediatric Societies 268

FEBRUARY, 1932. NUMBER 2

PAGE

Parenteral B C G Vaccination. Camille Kereszturi, M.D.; William H. Park, M.D., and Béla Schick, M.D., New York 273
The Value of an Increased Supply of Vitamin B_1 and Iron in the Diet of Children. Pearl Summerfeldt, M.B., Toronto, Canada 284

Medical
Mahr

FEBRUARY—Continued

PAGE

The Mechanism of Anemia Associated with Infection in Infancy and in Childhood. I. Newton Kugelmass, M.D., and Milde Lampe, B.S., New York.. 291
Phosphorus Metabolism in Infants: A Comparative Study of the Phosphorus Metabolism of Healthy Infants Fed Breast Milk and Cow's Milk. David B. Witt, M.D., Chicago.... 306
The Diagnosis of Congenital Syphilis in the New-Born. Ethel C. Dunham, M.D., New Haven, Conn.... 317
Excretion of Creatine and Creatinine: Hourly Excretion in Normal Children and in Children with Progressive Muscular Dystrophy. M. Catherine Magee, M.S., Ann Arbor, Mich.... 322
Basal Metabolism of Normal Children: The Puberty Reaction. Anne Topper, M.D., and Hannah Mulier, M.D., New York.... 327
Anemia of the New-Born. Arthur F. Abt, M.D., Chicago.... 337
A Simple Rational and Effective Treatment of Stubborn Vaginal Infections in Infants and in Little Girls. Goodrich C. Schauffler, M.D., Portland, Ore. 350
Infection of the Ear in Cases of Infection of the Gastro-Intestinal Tract in Infants. Joseph G. Druss, M.D., New York.... 356
Gaucher's Disease: A Clinical Study, with Special Reference to the Roentgenography of Bones. Oscar Reiss, M.D., Los Angeles, and Katsuji Kato, M.D., Chicago.... 365
An Improved Protective Device in the Treatment of Infantile Eczema. J. Victor Greenebaum, M.D., and Goldie Mahan Keith, R.N., Cincinnati.. 387
Case Reports:
Pseudo-Aplastic Anemia. Sydney Nussbaum, M.D., Brighton Beach, N. Y. 389
Multiple Tuberculous Lesions in the Brain of a Child (Tuberculous Encephalitis). A. C. Edwards, M.D., Detroit, and A. W. White, M.D., Pensacola, Fla.... 396
Congenital Bone Dysplasia (Osteogenesis Imperfecta) Associated with Lesions of the Parathyroid Glands. Tyree C. Wyatt, M.D., Syracuse, N. Y., and Thomas H. McEachern, M.D., New York.... 403
Progress in Pediatrics:
Nutrition of the Dental Tissues. Charles F. Bödecker, D.D.S., New York 416
The Relation of Birth Trauma to Neonatal Mortality and Infant Morbidity. Hugo Ehrenfest, M.D., St. Louis.... 426
The Pathogenesis and Treatment of Acute Osteomyelitis of the Jaws in Nurslings and in Infants. Abraham O. Wilensky, M.D., New York.. 431
Early Mention of a Harlequin Fetus in America. J. I. Waring, M.D., Charleston, S. C.... 442
Pediatric Biographies:
Luigi Tansillo. John Ruhräh, M.D., Baltimore.... 443
Pediatrics in Art:
Horus. John Ruhräh, M.D., Baltimore.... 446
News and Comment.... 448
Correspondence:
Viosterol and Cod Liver Oil: Comparative Observations.... 449
Abstracts from Current Literature.... 452
Society Transactions:
Northwestern Pediatric Society.... 509
Chicago Pediatric Society.... 515
New York Academy of Medicine, Section of Pediatrics.... 519
Book Reviews 526
Directory of Pediatric Societies.... 528

MARCH, 1932. NUMBER 3

Physical Analysis in the Adolescent Problem. T. Wingate Todd, M.B. (Manc.), F.R.C.S. (Eng.), Cleveland.... 533
The Effect of Vitamin B Complex on the Resistance of Rats to Enteritidis Infection. John R. Ross, M.D., and Elizabeth Chant Robertson, M.D., Toronto, Canada 547
Some Factors Influencing the Fecal Flora of Infants. Jesse R. Gerstley, M.D.; Katharine M. Howell, M.D., and Beth Reynolds Nagel, B.S., Chicago... 555

MARCH—Continued

PAGE

The Substances Involved in the Coagulation of the Blood of the New-Born: II. The Effect of Ultraviolet Radiation and Viosterol. Heyworth N. Sanford, M.D.; T. H. Gasteyer, M.D., and Lois Wyatt, B.S., Chicago 566
III. The Effect of Withholding Protein and Fat from the Diet. Heyworth N. Sanford, M.D.; Howard J. Morrison, M.D., and Lois Wyatt, B.S., Chicago 569
Serum Therapy in Meningococcus Meningitis. George M. Lyon, M.D., Huntington, W. Va..... 572
The Infant Ward. Joseph Brennemann, M.D., Chicago..... 577
Roentgenographic Changes in the Thorax of Normal Premature Babies: A Daily Roentgenographic Study of Fifteen Normal Premature Babies During the First Fourteen Days of Life. Charles A. Weymuller, M.D.; A. L. L. Bell, M.D., and A. A. Trivilino, M.D., Brooklyn..... 585
Atelectasis in the New-Born. Ethel C. Dunham, M.D., New Haven, Conn... 594
Esophageal Obstruction: A Clinical and Experimental Study of Its Effect on Life and Growth. Joseph Stokes, Jr., M.D., and Theodore S. Wilder, M.D., Philadelphia 604
Migratory Peritonitis: A Clinicopathologic Study of So-Called Hematogenous Peritonitis in Children. S. A. Wile, M.D., and O. Saphir, M.D., Chicago 610
Pyuria and Pyelitis: The Influence of Exsiccosis on Their Experimental Production. Colin C. Stewart, M.D., Rochester, Minn..... 632
Case Reports:
Hemolytic Jaundice Not Influenced by Splenectomy. Margit Freund, M.D., New York..... 645
Suprarenal Tumor with Metastases. M. G. Peterman, M.D., Milwaukee.. 655
Acute Epidural Abscess of the Spinal Canal of Probable Metastatic Origin. W. W. Rucks, M.D., and B. H. Nicholson, M.D., Oklahoma City 659
Suprarenal Hemorrhage in the New-Born Infant. Jacob Rosenblum, M.D., Brooklyn 663
Progress in Pediatrics:
Blood Studies in Infants and in Children: I. Erythroblastic Anemia; a Clinical and Pathologic Study. James M. Baty, M.D.; Kenneth D. Blackfan, M.D., and Louis K. Diamond, M.D., Boston..... 667
Erythroblastic Anemia: Additional Comments. Thomas B. Cooley, M.D., and Pearl Lee, M.D., Detroit..... 705
Pediatric Biographies:
Sainte-Marthe. John Ruhräh, M.D., Baltimore..... 709
Pediatrics in Art:
Congenital Deformity. John Ruhräh, M.D., Baltimore..... 714
News and Comment..... 715
Abstracts from Current Literature..... 716
Society Transactions:
Central States Pediatric Society..... 774
Chicago Pediatric Society..... 784
Book Reviews 795
Directory of Pediatric Societies..... 798

APRIL, 1932. NUMBER 4

Pulmonary Diseases: 5,816 Cases in Children, with Special Reference to the Childhood Type of Pulmonary Tuberculosis. Chester A. Stewart, Ph.D., M.D., Minneapolis 803
Human Milk Studies: IX. Variations in the Composition of Milk at Four Hour Intervals During the Day and Night. Betty Nims, A.B.; Icie G. Macy, Ph.D.; Minerva Brown, A.B., and Helen A. Hunscher, A.B., Detroit 828
The Respiratory Metabolism in Infancy and in Childhood: XIII. The Calorigenic Action of Thyroid Extracts in Normal Infants. T. C. Wyatt, M.D., Syracuse, N. Y.; L. E. Weymuller, M.D., Brooklyn, and S. Z. Levine, M.D., with the Technical Assistance of M. Kelly, R.N., New York..... 845
Hymenolepis Nana: Report of Additional Cases and an Experimental Transmission from Man to Rats. H. Tsuchiya, Sc.D., and E. H. Rohlfing, M.D., St. Louis..... 865

APRIL—Continued

PAGE

Influenzal Meningitis Treated with Specific Antiserum and Complement: Report of Five Cases. Hugh K. Ward, M.D., and LeRoy D. Fothergill, M.D., Boston 873
Changes of the Blood Lipid in Children Following the Application of Anhydrous Wool Fat and Ultraviolet Irradiation. Jerome S. Leopold, M.D.; Adolph Bernhard, B.S., M.A., and Abraham Tow, M.D., with the Technical Assistance of I. J. Drekter, New York..... 882
The Normal Histology of Infants' Brains, with Particular Reference to Anatomic Changes in the Brain in Intestinal Intoxication of Infants. Herman Schwarz, M.D.; P. Goolker, M.D., and Joseph H. Globus, M.D., New York 889
Case Reports:
Cirrhosis of the Liver in Children. Joseph K. Calvin, M.D., and Lionel B. Saffro, M.D., Chicago..... 914
Exstrophy of the Bladder Complicated by Other Congenital Anomalies. Elizabeth Brakeley, M.D., Montclair, N. J..... 931
Precocious Menstruation. Jean Davidson Craven, M.D., Durham, N. C.. 936
Premature Sexual Development in Children Due to Malignant Ovarian Tumors, with Special Reference to Hormonal Studies and After-Treatment. Robert T. Frank, M.D., New York..... 942
Progress in Pediatrics:
Agranulocytosis: Report of a Case, with Autopsy Observations. Lucas W. Empey, M.D., and Frederick Proescher, M.D., San Jose, Calif.. 947
Pediatric Biographies:
Claude Quillet. John Ruhräh, M.D., Baltimore..... 973
Pediatrics in Art:
Rickets. John Ruhräh, M.D., Baltimore..... 977
News and Comment..... 978
Obituaries:
A. D. Blackader, M.D..... 979
Stafford McLean, M.D..... 981
Abstracts from Current Literature..... 983
Society Transactions:
Philadelphia Pediatric Society.....1034
New York Academy of Medicine, Section of Pediatrics.....1040
Book Reviews 1044
Directory of Pediatric Societies.....1046

MAY, 1932. PART I. NUMBER 5

Glycemia in Cachexia of Nurslings. E. Jaso, M.D., Madrid, Spain.....1051
Human Milk Studies: X. Daily and Monthly Variations in Milk Components as Observed in Two Successive Lactation Periods. Betty Nims, A.B.; Icie G. Macy, Ph.D.; Helen A. Hunscher, A.B., and Minerva Brown, A.B., Detroit 1062
The Levinson Test in Tuberculous Meningitis. Morris Gleich, M.D., with the Technical Assistance of A. Hartstein, M.D., New York.....1077
Symptoms in Congenital Lesions of the Heart that Permit Venous Shunting. Clifton Briggs Leech, M.D., Providence, R. I.....1086
The Acid-Base Metabolism of a Normal Child on Diets that Increase in Fat Content. Charles A. Weymuller, M.D., and Sarah Ratner, M.A., Brooklyn 1092
Infantile Diarrhea: Preliminary Report. Marsh W. Poole, M.D., and Thomas B. Cooley, M.D., with the Technical Assistance of Miss Lucia Ellwart, Detroit 1101
Disturbances of Growth in Chronic Arthritis in Children. John G. Kuhns, M.D., and Loring T. Swaim, M.D., Boston.....1118
Case Reports:
Dermatomyositis. Samuel Karelitz, M.D., and Sara K. Welt, M.D., New York 1134
Lipoid Histiocytosis (Niemann-Pick Type). Sherl J. Winter, M.D., Dayton, Ohio 1150
Familial Juvenile Cirrhosis of the Liver. Morris L. Bridgeman, M.D., and Thomas D. Robertson, M.D., Portland, Ore.....1155

MAY, PART I—Continued

PAGE

Progress in Pediatrics:
The Weight of the Thymus Gland in Health and in Disease. Edith Boyd, M.D., Minneapolis....1162
Pediatric Biographies:
Hugh Downman. John Ruhräh, M.D., Baltimore....1215
Pediatrics in Art:
Mental Deterioration. John Ruhräh, M.D., Baltimore....1220
News and Comment....1221
Correspondence:
Anemia of the New-Born....1222
Abstracts from Current Literature....1224
Society Transactions:
New York Academy of Medicine, Section of Pediatrics....1277
Chicago Pediatric Society....1281
Philadelphia Pediatric Society....1284
Book Reviews....1286
Directory of Pediatric Societies....1288

MAY, 1932. PART II. NUMBER 5

Celiac Disease: Rachford Memorial Lectures. Leonard G. Parsons, M.D., F.R.C.P., Birmingham, England....1293
The Physical Growth of Boys: A Study by Means of Water Displacement. Dott Earl Zook, Ph.D., Chicago....1347

JUNE, 1932. NUMBER 6

Respiratory Failure in Poliomyelitis: Treatment with the Drinker Respirator. James L. Wilson, M.D., Boston....1433
Seasonal Variation in Antirachitic Action of Arkansas Sunshine. Paul L. Day, Ph.D., Little Rock, Ark....1455
Treatment of Congenital Syphilis with Acetarsone (Stovarsol) Given by Mouth. C. H. Maxwell, Jr., M.D., Auburn, N. Y., and Jerome Glaser, M.D., Rochester, N. Y....1461
Psychic Enuresis in Normal Children: An Experimental Study. J. M. Lewis, M.D., and J. Ostroff, M.D., New York....1490
Adenoids and Immunity. Henry B. Lemere, M.D., Los Angeles....1494
A Study of the Effects of Ultraviolet Irradiation on a Group of Preschool Children: Preliminary Report. Helen Dudley Bull, M.D.; George H. Maughan, Ph.D., and Ethel B. Waring, Ph.D., Ithaca, N. Y....1502
Antirachitic Value of Milk from Cows Fed Irradiated Yeast. Edwin T. Wyman, M.D., and Allan M. Butler, M.D., Boston....1509
Study of the Water and Mineral Balances in Epileptic Children: I. Effects of Diuresis, Catharsis, Phenobarbital Therapy and Water Storage. Irvine McQuarrie, M.D., Minneapolis, and R. C. Manchester, M.S., and Clara Husted, M.S., Rochester, N. Y....1519
The Respiratory Metabolism in Infancy and in Childhood: XIV. The Effect of Thyroid Therapy on the Metabolism of Protein in Normal Infants. L. E. Weymuller, M.D., Brooklyn; T. C. Wyatt, M.D., Syracuse, N. Y., and S. Z. Levine, M.D., New York, with the Technical Assistance of M. Kelly, R.N....1544
Progress in Pediatrics:
Ganglioneuroma: Report of Two Cases with a Review of the Literature. John A. Bigler, M.D., and Archibald Hoyne, M.D., Chicago....1552
Pediatric Biographies:
Eucharius Rösslin. John Ruhräh, M.D., Baltimore....1572
Pediatrics in Art:
Brain Lesion. John Ruhräh, M.D., Baltimore....1574
News and Comment....1575
Abstracts from Current Literature....1576
Society Transactions:
University of Michigan Pediatric and Infectious Disease Society....1619
New York Academy of Medicine, Section of Pediatrics....1624
North Pacific Pediatric Society....1636
Book Reviews....1645
Directory of Pediatric Societies....1648
General Index....1653